

Ir.products)

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LR PERIPHERAL CONVERTING PRODUCTS

Ink viscosity controls
Automatic ink pH regulation
Ink temparature control
Solventless mixers
Monocomponent metering
Solvent based mixers
Automatic flexo wash-up units





u.com





Options SINCROCLEAN equipment



- Automatic ink viscosity control and regulation
- Conventional or vibrating sensors available
- High precision and accuracy
- Intelligent algorithm control
- Automatic cleaning when installed on a sincroclean



VISCOCHECK TC

- Ink temperature control system
- Automatic cooling or warming the inks Highly efficient heat exchangers
- Consistent Ink pumping pressure
- Ink settings maintained throughout press run
- No additional recirculation pumps

- Water-based ink pH regulation
- Accurate pH control at all times
- Avoids uncontrolled pH solution additions to the ink
- Proprietary self-checking software monitoring the pH sensors with alarm if out of calibration

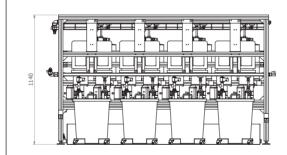
Patented technology: **High precision** double volume-

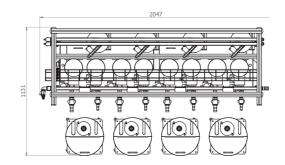
tric pumping

ACCURATE AND FULL CONTROL OVER THE **INKING PROCESS EFFICIENT WASH-UP FULLY AUTOMATIC**

SINCROCLEAN

The **lr.products**) sincroclean system gives the operator the ability to control the flow of ink and cleaning solution through the closed chamber system under full control. It provides independent regulation for the ink suction return vs. the ink delivery flow, as well as the ink flow variations as required due to the press speed and ink consumption. A 100% controlled inking process!





sincro Cean



INK/WASH-UP VOLUMETRIC PUMPS: INK SUPPLY/RETURN FLECTRONICALLY CONTROLLED

By means of the PATENTED volumetric pump technology from Ir.products), customers achieve full control and stability over the inking process unattainable when using existing technologies and pneumatic pumps.

Pressure variations inside the chamber system are controlled, so leakage, ink starvation and all related problems are eliminated.

Main advantages of the SINCROCLEAN technology:



Press on printing mode

- The SINCROCLEAN pumps do not create pressure pulsation inside the ink hoses and chamber.
- No pressure variations inside the chambers, that can cause
- The two pumps per color are synchronized by means of frequency inverters.
- 100% control over the effective flow delivered to the cham-
- Ink Flow variation required by the press speed, without any changes in pressures.
- Allows an independent per color flow variation curve, depending on ink consumption.
- No ink foaming, very important for water-based inks.
- Scheduled preventive maintenance of the pumps through monitoring of the pump cycles.



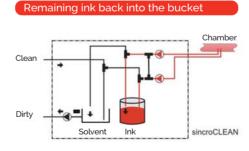
Press on wash-up mode

- Effective washing of all the colors simultaneously or only the selected ones.
- Initial washing cycle with high pressure of the solvent/water at higher pump speeds; followed by a cycle using very low
- A minimum amount of solvent will be used during the wash cycle, and also to assure that the anilox is always wet with the cleaning agent to avoid damage.
- Module ECO, recirculation of solvent or cleaning agent.

ECO module: solvent / water recirculation

The Optional ECO module on the sincroclean unit reduces the solvent/water needed for cleaning to a minimum; only the required volume needed for feeding all the inking circuit on the press, and to recirculate it during the programmed time period chosen.

It's more important this feature be used on wide presses, where the solvent/water consumption can be very high. Also, it is mandatory for water-based ink cleaning when using some type of chemical additives for wash-ups because these chemicals are not easy to reclaim; therefore recirculation is more economical.



Press on printing mode: fill deck

